

Image can be made, said surface being provided by film form material comprising polymethylpentene material or by a supported layer or coating of polymethylpentene material, and the layer or coating being applied at a substantially uniform thickness.

28 2. A material according to claim 1²⁷ wherein the layer or coating of polymethylpentene material is applied to its support at a weight in the range of about 10 grams/m² to about 30 grams/m².

29 3. A material according to claim 1²⁷ wherein said layer or coating is applied to its support at a weight of 25 grams/m².

30 4. A material according to claim 1²⁷ wherein the support is of paper.

31 5. A material according to claim 1³⁰ wherein the paper is of a weight in the range of 90 grams/m² to 110 grams/m².

32 6. A material according to claim 1³¹ wherein the paper is of a weight of 100 grams/m².

33 7. A material according to claim 1²⁷ and suitable for carrying a toner image applied thereto in a xerographic photocopier.

34 8. A method of printing monochrome and full color images onto a substrate having a continuous surface, the method comprising the steps of

- (a) forming an image created by a xerographic copier or a dry toner printer on an image carrier providing a surface of a material comprising polymethylpentene material to provide a toner image on the image carrier,
- (b) placing the image carrier against the surface of the substrate with the toner image between said surface of the image carrier and the substrate, the substrate having a greater affinity for the toner than the image carrier when the toner is heated;

- (c) heating the image carrier and substrate, with the toner image therebetween, under pressure;
- (d) thereafter removing the image carrier from the substrate, with the toner image wholly transferred to the substrate.

35 9. A method according to claim ³⁴8 wherein the image carrier provides a carrier surface provided by film form polymethylpentene copolymer material.

36 10. A method according to claim ³⁴8 wherein the image carrier is provided by a material as set forth in claim 1.

37 11. A method according to claim ³⁴8 wherein, in carrying out step (c), the image carrier and the substrate are subjected to heating at a temperature in the range of 140 degrees Celsius to 200 degrees Celsius.

38 12. A method according to claim ³⁴8 wherein, in carrying out step (c), the image carrier and the substrate are subjected to heating at a temperature in the range of 165 degrees Celsius to 195 degrees Celsius.

39 13. A method according to claim ³⁴8 wherein, in carrying out step (c), the image carrier and the substrate are subjected to heating at a mean temperature of 180 degrees Celsius.

40 14. A method of printing monochrome and full color images onto a surface, the method comprising the steps of

- (a) forming an image created by a xerographic copier or a dry toner printer on a first image carrier to provide a toner image on the first image carrier,
- (b) placing the first image carrier against a surface of a second image carrier with the toner image between the first image carrier and the second image carrier, the surface of the first image carrier being provided by polymethylpentene material and the

- second image carrier having a greater affinity for the toner than the first image carrier when the toner is heated;
- (c) heating the first and second image carriers, with the toner image therebetween, under pressure;
- (d) thereafter removing the first image carrier from the second image carrier, with the toner image wholly transferred to the second image carrier;
- (e) placing the second image carrier against a surface of a substrate, onto which the toner image is to be ultimately transferred, with the toner image therebetween, the substrate having a greater affinity for the toner than the second image carrier;
- (f) heating the second image carrier and the substrate, with the toner image therebetween, under pressure; and
- (g) thereafter removing the second image carrier from the substrate, with the toner image wholly transferred to the substrate.

41 15. A method according to claim 14 wherein the first image carrier provides a carrier surface provided by a supported coating or layer of a material comprising polymethylpentene material.

42 16. A method according to claim 14 wherein the polymethylpentene material is formed as a coating having a weight in the range of about 10 grams/m² to about 30 grams/m².

43 17. A method according to claim 14 wherein the first and second image carriers, with the toner image therebetween, are subjected to a temperature in the range of 140-200 degrees Celsius.

44 18. A method according to claim 14 wherein the second image carrier and the substrate, with the toner image therebetween, are subjected to a temperature in the range of 140-200 degrees Celsius.

48 19. A method according to claim ⁴⁶14 wherein step (c) is carried out by passing the first and second image carriers through a heated roller unit to heat the toner image to a temperature in the range of 140-200 degrees Celsius.

46 20. A method according to claim ⁴⁰14 wherein step (f) is carried out by passing the second image carrier and the substrate through a heated roller unit to heat the toner image to a temperature in the range of 140-200 degrees Celsius.

47 21. A method according to claim ⁴⁰14 wherein heating of the first and second image carriers is carried out by a temperature controlled heating bar which may be fixed in position or movable so that the image carriers are effectively drawn past the bar while pressure is applied thereto by the bar.

48 22. A method according to claim ⁴⁰14 wherein heating of the second image carrier and the substrate is carried out by a temperature controlled heating bar which may be fixed in position or movable so that the second image carrier and the substrate are effectively drawn past the bar while pressure is applied thereto by the bar.

49 23. A method according to claim ³⁴8 wherein the substrate is selected from paper, card, cardboard, glass, ceramics, wood, metal, leather, metallised surfaces, fabrics and plastics materials.

50 24. A method according to claim ⁴⁰14 wherein the substrate is selected from paper, card, cardboard, glass, ceramics, wood, metal, leather, metallised surfaces, fabrics, and plastics materials.

51 25. A method according to claim ³⁸8 wherein the full color image formed on a surface by carrying out the method is intensified by overlaying a second identical image onto the first.

52 26. A method according to claim ⁴⁰14 wherein the full color image formed on a surface by carrying out the method is intensified by overlaying a second identical image onto the first.--